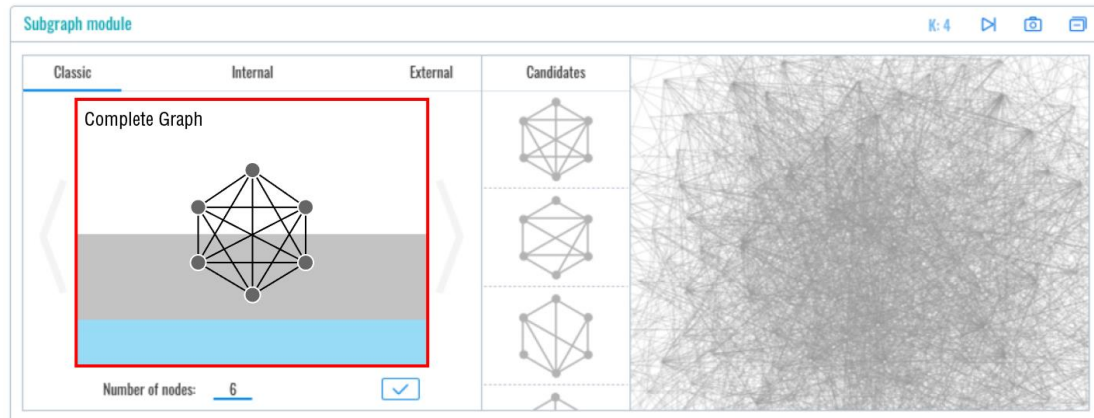


Weekly report

1 Done

1.1 Graph Privacy

We designed the final view of the entire system (subgraph view).



Besides, we have a new arrangement about the interface.

- In the first stage, the interface consists of three views: overview (node-link graph), priority view and the utility view. At first, users load the graph data and observe the node-link graph. For more details, they can pick some node characteristics to check related distributions. Moreover, in order to guide automatic processing, users are allowed to set the processing priority here, based on the node characteristics. The conditions are like “prioritize the 10% nodes with the lowest degree” or, “if possible, do not, or never deal with 5% nodes with the highest betweenness centrality.” In the utility view, users can choose some metrics to evaluate the processed graph later.
- In the second stage, the priority view and the utility view only show the result, omitting other contents like specific distributions. Furthermore, the overview view is folded. Instead, we show the protector view and the history view for processing.
(It is clear to introduce views in the order of usage. Thus, the related section may be described like a case.)

Therefore, all design missions have been completed.

This week, I also thought about the outline. We have three modules for degree, hub fingerprint, and subgraph respectively. Thus, there are three algorithms to be introduced. I consider that abstracting them into a main idea, and describing the details in the appendix. The abstracting is completed in the paper.

1.2 Graduation thesis (Huihua's)

I have read Huihua's thesis and provided some advices.

1.3 Bitcoin

I have a chat with Mr. Chen (Xiaohu). He summed up the four kinds of factors that may exert influences on the Bitcoin price. However, when I asked about the specific analysis processes or supposed approaches, he answered nothing. Currently, I haven't found any interesting idea.

2 Progress

Item	Deadline	Current progress	Remark
Geo-privacy	12.31	Writing is almost done.	-
Graph privacy	1.31	Programming.	-
Bitcoin	-	Programming.	-